

BELZONA PROTECTS SUGAR BEET MIXER SHAFT

CUSTOMER

Sugar beet factory, Switzerland

APPLICATION DATE

2010

APPLICATION SITUATION

Mixing shaft with 46 half shells on which agitating arms were located

PROBLEM

Loose particles of soil and small pieces of rock, released during the processing of the sugar beet causes abrasion on the shaft.

PRODUCTS

Belzona® 1811 (Ceramic Carbide)

Belzona® 1121 (Super XL-Metal)

SUBSTRATE

Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets GSS-9 and SHM-14. Belzona® 1121 was used to create irregular shims under the half shells to ensure perfect fit onto the shaft. The exposed areas of shaft were protected with Belzona® 1811 against future abrasion damage.

BELZONA FACTS

The high quality of the application not only impressed the client, more importantly it also sparked the interest of a further sugar refinery with similar problems.

PICTURES

1. Shaft after removal of half shells and agitating arms
2. Application of Belzona® 1121
3. Application of Belzona® 1811
4. Completed shaft with agitating arms screwed back in place



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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